

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for datatype caching of an SQL template including two or more tokens, each token referencing a different SQL template or an object, comprising:

 replacing each of the two or more tokens of the SQL template with an associated cast function to form a converted SQL template;

 acquiring a datatype of the converted SQL template; **and**

 storing **in cache** the acquired datatype of the converted SQL template with the SQL template;

determining whether a descendent of the converted SQL template has been modified; and
in response to determining that the descendent of the converted SQL template has been modified, re-evaluating an SQL template for the descendent and cascading a modified datatype up to ancestors of the converted SQL template.

2. (Canceled)

3. (Previously Presented) The method of claim 1, further comprising forming a valid SQL statement from the converted SQL template.

4. (Original) The method of claim 3, wherein forming the valid SQL template comprises acquiring the datatype of the valid SQL statement.

5. (Original) The method of claim 4, wherein acquiring the datatype of the converted SQL statement comprises passing the valid SQL statement through an SQL processor.

6. (Canceled)

7. (Canceled)

8. (Currently Amended) A computer program product comprising a computer useable medium including a computer readable program, wherein the computer readable program when executed on a computer causes the computer to:

replace each of two or more tokens of a SQL template with an associated cast function to form a converted SQL template;

acquire a datatype of the converted SQL template; **and**

store **in cache** the acquired datatype of the converted SQL template with the SQL template;

determine whether a descendent of the converted SQL template has been modified;
and

in response to determining that the descendent of the converted SQL template has been modified, re-evaluate an SQL template for the descendent and cascade a modified datatype up to ancestors of the converted SQL template.

9. (Canceled)

10. (Previously Presented) The computer program product of claim 8, further comprising instructions causing the computer to form a valid SQL statement from the converted SQL template.

11. (Previously Presented) The computer program product of claim 10, wherein forming the valid SQL template comprises acquiring the datatype of the valid SQL statement.

12. (Previously Presented) The computer program product of claim 11, wherein acquiring the datatype of the converted SQL statement comprises passing the valid SQL statement through an SQL processor.

13. (Canceled)

14. (Canceled)

15. (Currently Amended) A system for datatype caching of an SQL template including two or more tokens, each token referencing a different SQL template or an object, comprising:
a computer;

means for replacing each of the two or more tokens of the SQL template with an associated cast function to form a converted SQL template;

means for acquiring a datatype of the converted SQL template; **and**

means for storing in cache the acquired datatype of the converted SQL template with the SQL template;

means for determining whether a descendent of the converted SQL template has been modified; and

means for in response to determining that the descendent of the converted SQL template has been modified, re-evaluating an SQL template for the descendent and cascading a modified datatype up to ancestors of the converted SQL template.

16. (Canceled)
17. (Previously Presented) The system of claim 15, further comprising means for forming a valid SQL statement from the converted SQL template.
18. (Original) The system of claim 17, wherein the means for forming the valid SQL template comprises means for acquiring the datatype of the valid SQL statement.
19. (Original) The system of claim 18, wherein the means for acquiring the datatype of the converted SQL statement comprises means for passing the valid SQL statement through an SQL processor.
20. (Canceled)